DETAILED ACTION

Information Disclosure Statement

Note: foreign references cited in Citation No. CA and CC in the information disclosure statement filed 1/12/2007 are considered only in so far the examiner could understand the language of the documents. Those are strike-out were considered in the previous Office Action.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Please amend the Abstract as following:

A system and a method for recording, transmitting and analyzing data and information accrued from, low-frequency, electromagnetic radiation, where the electromagnetic radiation originates from at least one impulse source of natural and/or artificial origin, from at least one atmospheric discharge or from at least one transmitter, a precise characterization of the impulse source, a reliable differentiation between cloud-ground lightning and cloud-cloud lightning within a cloud or between clouds is provided for, including localize the altitude of the impulse source, the emission altitude or the broadcast altitude, and/or the directionality, the spatial direction path of the impulse emission or impulse broadcast caused by the impulse, by determining the difference between the arrival time of the signal at the measuring station located

closest to the impulse source and the arrival time of the signal at at least one, preferably two, measuring stations which are not located closest to the impulse source.

Allowable Subject Matter

Claims 19-35 are allowed.

Claims 19-35 are allowable over the prior art of record, none of the prior art whether together singularly or in combination to teach the claimed combination as recited. The closest references No. 6,246,367 and No. 3,369,240 do not disclose or suggest the improvement of the instant application comprises directionality is determined to be essentially vertical when the amplitude of the received signal at each said plurality of measuring stations varies in inverse proportion to the distance between each respective measuring station and said impulse source and wherein said directionality is determined to be essentially horizontal when the amplitude of the received signal at each said plurality of measuring stations deviates from said inverse proportionality and said deviation can be corrected based on the altitude angle and the angle between the impulse emission axis and the direction to the respective measuring station; reference '367 does not teach or suggest those limitation above and reference '240 teaches vertical/horizontal amplitude determination using a single measuring station.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TOAN M. LE whose telephone number is (571)272-2276. The examiner can normally be reached on Monday through Friday from 9:00 A.M. to 5:30 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Dunn can be reached on (571) 272-2312. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael P. Nghiem/
Primary Examiner, GAU 2863

Toan Le
/TL/
October 6, 2009